

1 ¹26. (New) A method of implementing a single input device for controlling movement
2 of a cursor displayed on a data processing system and for controlling access of a particular piece of
3 data within a data field displayed by the data processing system, said method comprising:

A1 4 positioning a moveable cursor to a location on a display screen in response to
5 movement with said input device when a signal supplied by said input device is in a first
6 state;

7 when said signal is in a second state, remapping control of said input device,
8 wherein movement with said input device controls both a resolution and a range of said
9 data field for display on said display screen;

10 selectively varying said resolution at which said data field is displayed responsive to
11 movement with said input device in a first axis, wherein movement with said input device
12 in said first axis changes said resolution;

13 controlling said range of the data field for display in response to movement with the
14 input device in a second axis, wherein movement in the second axis causes different ranges
15 of the data field to be displayed;

16 moving the input device in the first and second axes to simultaneously vary said
17 resolution and said range of display, until the particular piece of data is accessed.

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1 ¹27. (New) A method as defined by Claim ¹26 wherein said input device is comprised of
2 a mouse and the resolution is controlled by moving said mouse in the first axis and the range is
3 controlled by moving the mouse in the second axis.

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1 28. (New) A method as defined by Claim 26 wherein said input device is comprised of
2 a trackball and the resolution is controlled by moving said trackball in the first axis and the range is
3 controlled by moving the trackball in the second axis.

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1 29. (New) A method as defined in Claim 26 wherein said resolution represents a scale
2 such that a change in resolution corresponds to a change in scale of data in said data field.

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30. (New) A machine readable medium which stores executable program instructions
2 which when executed cause a digital processing system to perform a method of implementing a
3 single input device for controlling movement of a cursor displayed by the digital processing system
4 and for controlling access of a particular piece of data within a data field displayed by the digital
5 processing system, said method comprising:
6 positioning a moveable cursor to a location on a display screen in response to
7 movement with said input device when a signal supplied by said input device is in a first
8 state;
9 when said signal is in a second state, remapping control of said input device,
10 wherein movement with said input device controls both a resolution and a range of said
11 data field for display on said display screen;
12 selectively varying said resolution at which said data field is displayed responsive to
13 movement with said input device in a first axis, wherein movement with said input device
14 in said first axis changes said resolution;

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15 controlling said range of the data field for display in response to movement with the
16 input device in a second axis, wherein movement in the second axis causes different ranges
17 of the data field to be displayed;

18 moving the input device in the first and second axes to simultaneously vary said
19 resolution and said range of display, until the particular piece of data is accessed.

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31. (New) A machine readable medium as in Claim 30 wherein said input device is
comprised of a mouse and the resolution is controlled by moving said mouse in the first axis and
the range is controlled by moving the mouse in the second axis.

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32. (New) A machine readable medium as in Claim 30 wherein said input device is
comprised of a trackball and the resolution is controlled by moving said trackball in the first axis
and the range is controlled by moving the trackball in the second axis.

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1 33. (New) A machine readable medium as in Claim 30 wherein said resolution
2 represents a scale such that a change in resolution corresponds to a change in scale of data in said
3 data field.